

To: Brown, Anthony R (RM)[anthony.brown@bp.com]; Riley, Gary[riley.gary@epa.gov]
From: Lombardi, Marc
Sent: Tue 6/20/2017 12:16:10 AM
Subject: RE: Pond 4 Water Level Request
[Pond Contours from 2001 ERA Completion Report.pdf](#)
[170619 Pond4 Volume Calculator.xls](#)

Gary,

- 1) The current water level gauge height in Pond 4 is 6.19 feet which is ~625,000 gallons of water. Note: zero water in the pond corresponds to a gauge height of 2.11 ft.
- 2) Pond 4 level elevation to water impounded water relationship - Attached are two methods of estimation: a) a PDF of the Pond 4 topographic survey with table of the relationship between the volume per gauge elevation and b) a simplified excel Pond 4 volume calculator that you can just plug in any given elevation and calculate a volume.

Please let us know if you have further questions.

Thanks,

Marc

Marc R. Lombardi, CEM, PG

Principal Geologist / Office Manager, Environment & Infrastructure Americas, Amec Foster Wheeler

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From: Brown, Anthony R (RM) [mailto:anthony.brown@bp.com]
Sent: Monday, June 19, 2017 4:38 PM
To: Riley, Gary <riley.gary@epa.gov>; Lombardi, Marc <Marc.Lombardi@amecfw.com>
Subject: RE: Pond 4 Water Level Request

Hi Marc, request AMECFW please respond to Gary's questions below ASAP. Thanks... T...

From: Riley, Gary [mailto:riley.gary@epa.gov]
Sent: Monday, June 19, 2017 4:35 PM
To: 'Lombardi, Marc'; Brown, Anthony R (RM)
Subject: Pond 4 Water Level Request

Hello Marc and Tony,

Cynthia Wetmore and I have a couple of questions about Pond 4 storage and the current water level:

1. Current water level volume of water impounded in Pond 4
2. Is there a pond level elevation to water impounded relationship that's easy to send out?

Thank you,

Gary

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Gary J. Riley, MSCE, P.E.

LT, U.S. Public Health Service

U.S. EPA Region 9, Superfund Division

riley.gary@epa.gov (415) 972-3003

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